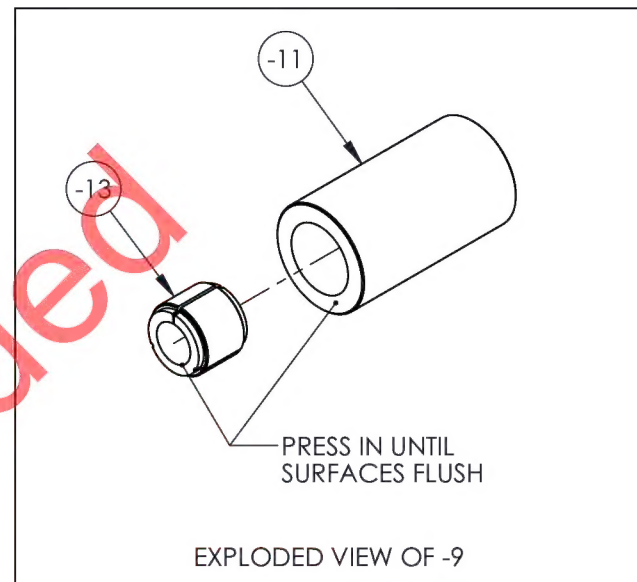
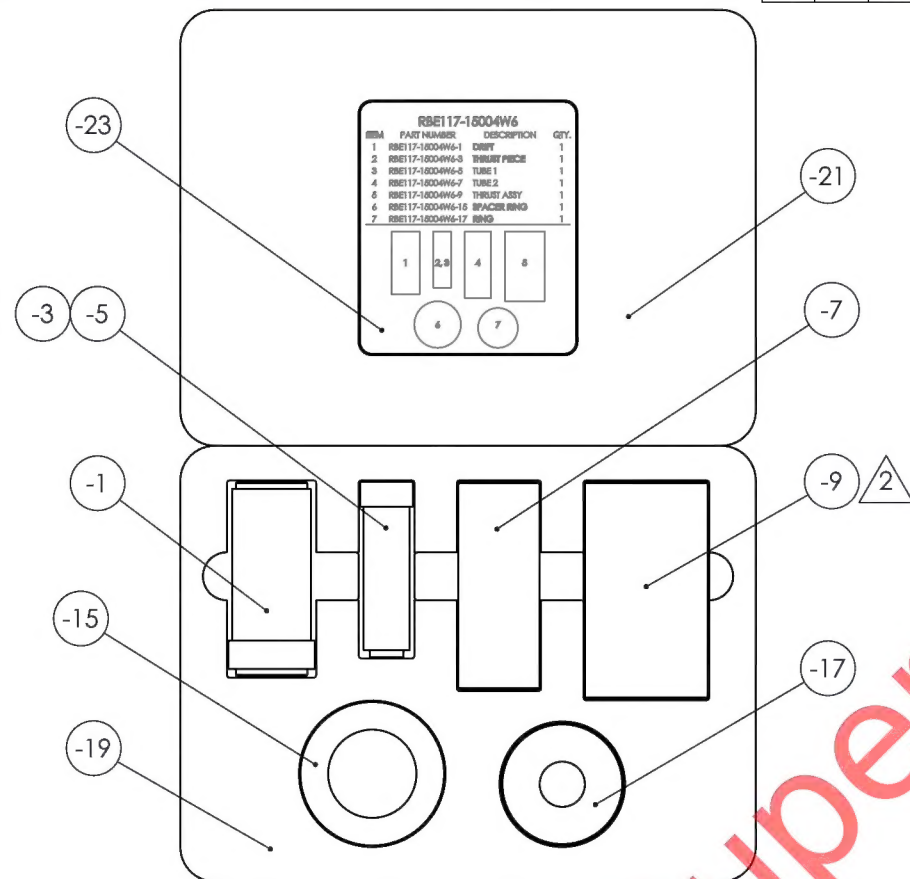


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| 1 | | RELEASED FOR PRODUCTION | 11/9/2016 | SM |
| | | | | JAG |



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URF 19-687 19.04.11 (MB)

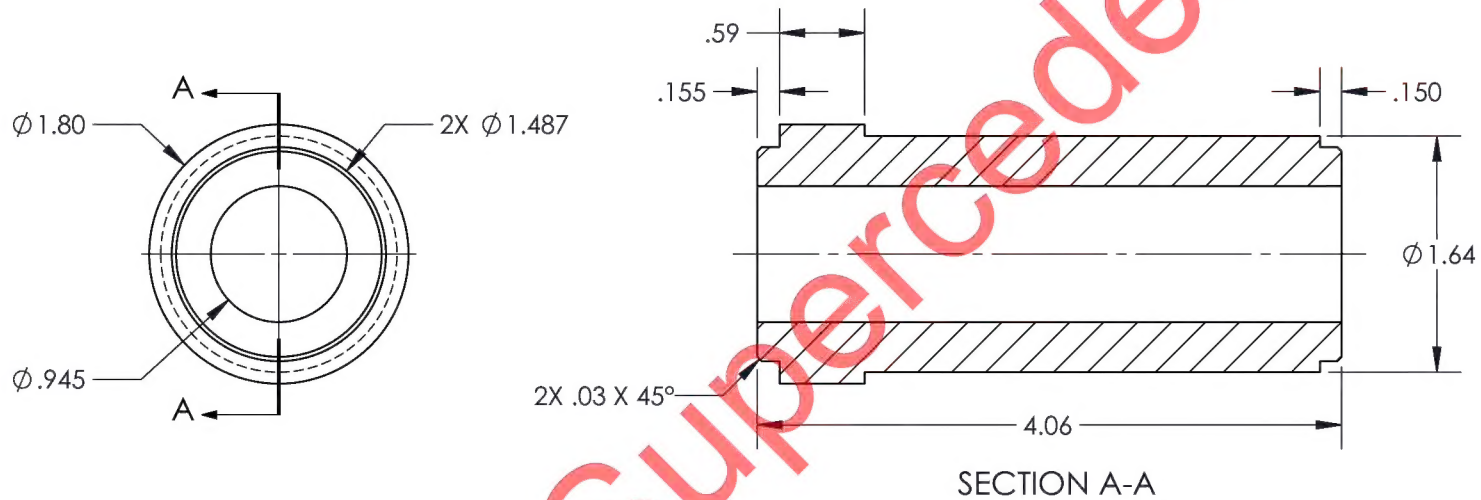
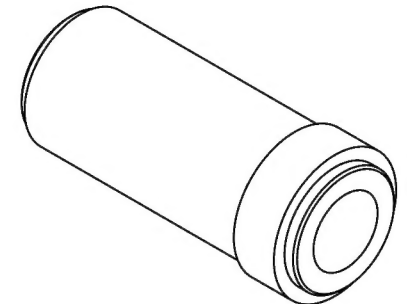
NOTE:
1. REF. AIRBUS T/N 117-15004W6.
2. SEE EXPLODED VIEW OF -9.

| ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|----------|----------|-----|--------|----------|--------------|---------------------|--------------------------------------|-----|
| | | | -1 | 1 | DRIFT | O1 | | 2 |
| | | | -3 | 1 | THRUST PIECE | 4140/4142 | | 3 |
| | | | -5 | 1 | TUBE 1 | O1 | | 4 |
| | | | -7 | 1 | TUBE 2 | O1 | | 5 |
| | X | | -9 | 1 | THRUST ASSY | | | 1 |
| | 1 | | -11 | 1 | TUBE 4 | O1 | | 6 |
| | 1 | | -13 | 1 | THRUST PIECE | WHITE DELRIN/ACETAL | | 7 |
| | | | -15 | 1 | SPACER RING | O1 | | 8 |
| | | | -17 | 1 | RING | O1 | | 9 |
| | | B/O | -19 | 1 | FOAM, BOTTOM | ETHAFOAM 220, BLACK | 3.95 X 9.08 X 11.98 (CASE SOLUTIONS) | 10 |
| | | B/O | -21 | 1 | FOAM, TOP | ETHAFOAM 220, BLACK | 1.20 X 9.08 X 11.98 (CASE SOLUTIONS) | 11 |
| | | | -23 | 1 | PLACARD | PLASTIC | | 12 |
| | | B/O | -25 | 1 | CASE | PLASTIC | PELICAN #APP-1400-E | N/S |
| | ASSY -9 | | | | | | | |

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6 | REV 1 |
| MAT'L TREAT FINISH SPEC | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125✓ | |
| 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DRAWN BY: MACKOVJAK | USED ON MODEL H145 |
| CHECKED: CLOUGH | |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | |
| APPROVED: GILBERT | |
| SCALE 1:4 | DATE 8/17/2016 |
| SHEET 1 OF 12 | |

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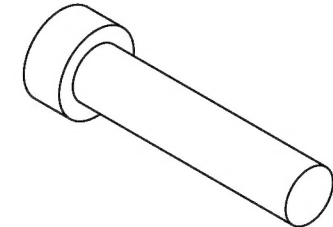
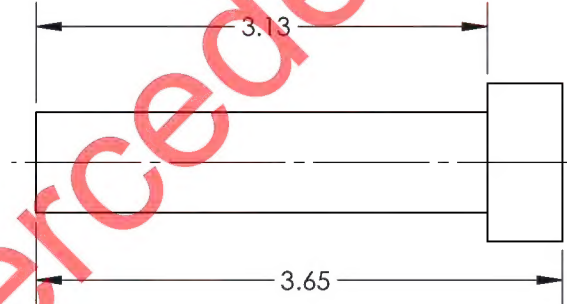
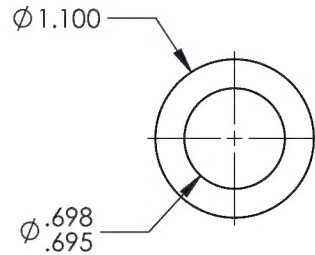


| | | | |
|----------------------------|--|---|-------|
| TITLE | | PUSH OUT/PRESS IN TOOL | |
| DWG NO. | | RBE117-15004W6-1 | REV 1 |
| MAT'L 01 | | UNLESS OTHERWISE SPECIFIED | |
| HEAT TREAT RC 50-56 | | DIMENSIONS ARE IN INCHES | |
| FINISH ZINC PLATE | | .XXX ± .005 FRACTIONS ± 1/8 | |
| SPEC ASTM B633 TYPE I SC 2 | | .XX ± .01 ANGLES ± 5° | |
| DRAWN BY: MACKOVJAK | | .X ± .1 SURFACES = 125° | |
| CHECKED: CLOUGH | | 1. BREAK ALL SHARP EDGES | |
| OPPS APPR: ANDERSON | | .015 x 45° OR .015R | |
| QA APPR: LINDSAY | | 2. DIMENSIONAL LIMITS APPLY | |
| APPROVED: GILBERT | | AFTER PLATING | |
| SCALE 3:4 | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DATE 8/17/2016 | | USED ON MODEL | |
| SHEET 2 OF 12 | | H145 | |

(-1)
DRIFT

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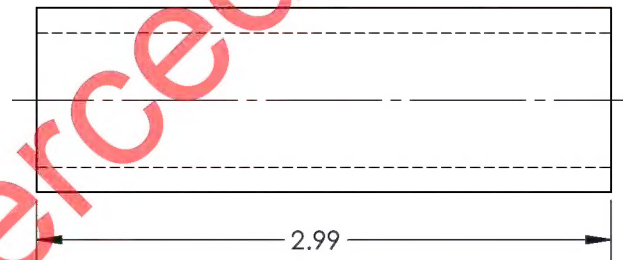
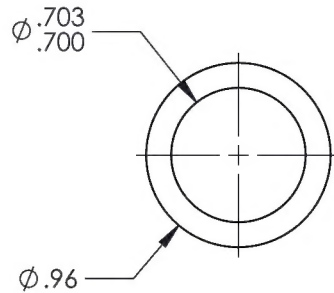
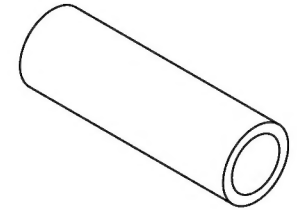
UNDER REVIEW
URF 19-687 19.04.11 (MB)

(-3)
THRUST PIECE

| | |
|---|--|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-3 | REV 1 |
| MAT'L 4140/4142 HEAT TREAT RC 50-56 FINISH ZINC PLATE | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125 |
| SPEC ASTM B633 TYPE I SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: CLOUGH | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | H145 |
| SCALE 3:4 | DATE 8/17/2016 |
| SHEET 3 OF 12 | |

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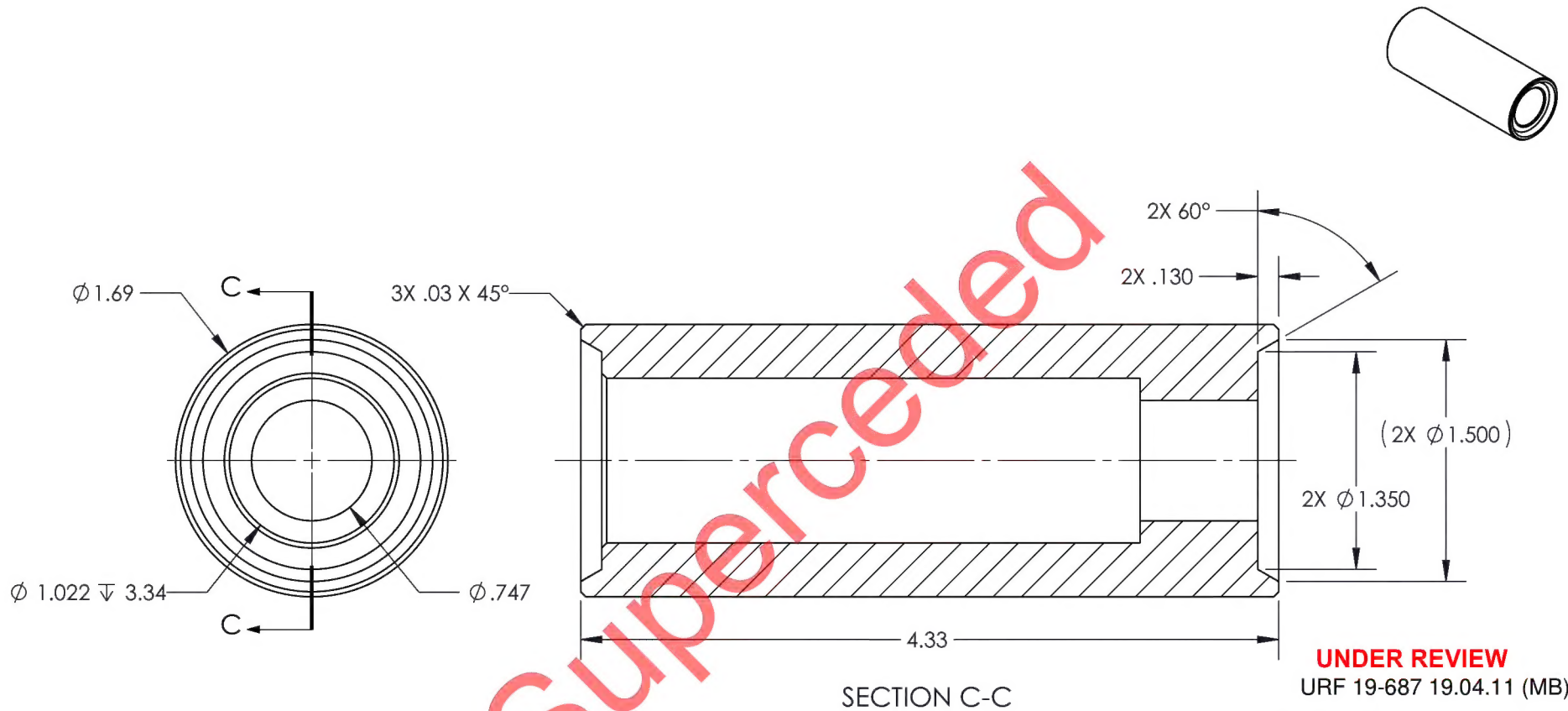
(-5)

TUBE 1

| | |
|---|---|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-5 | REV 1 |
| MAT'L O1 RC 50-56 ZINC PLATE ASTM B633 TYPE I SC 2 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DRAWN BY: MACKOVJAK | USED ON MODEL |
| CHECKED: CLOUGH | H145 |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | |
| APPROVED: GILBERT | |
| SCALE 1:1 | DATE 8/17/2016 SHEET 4 OF 12 |

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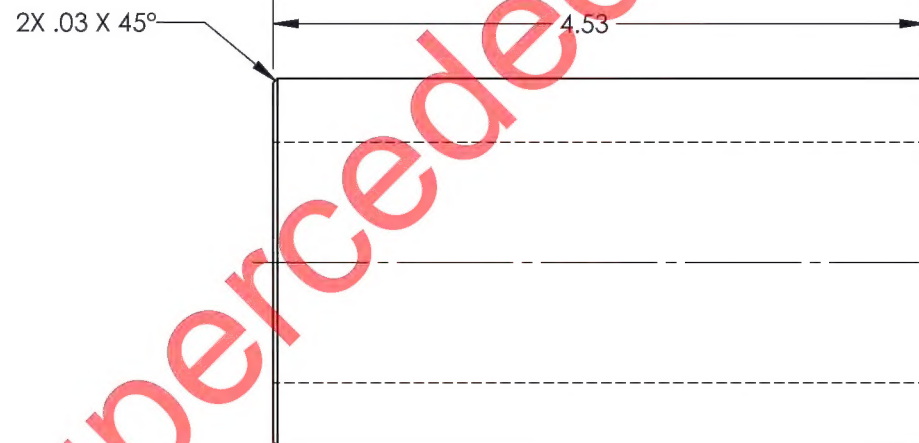
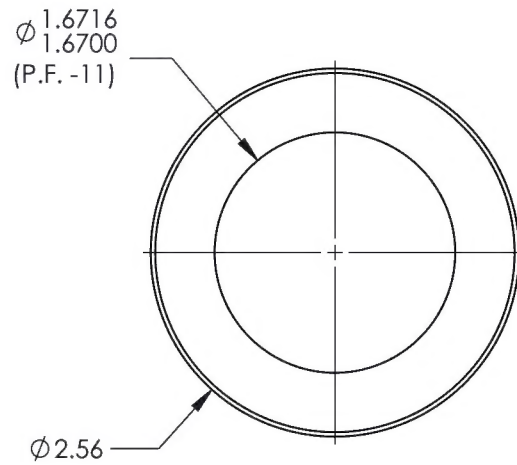
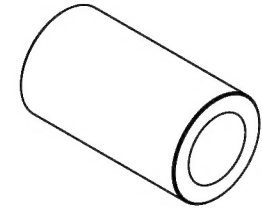


(-7)
TUBE 2

| | |
|------------------------------------|---|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-7 | REV 1 |
| MAT'L O1 RC 50-56 ZINC PLATE | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° |
| SPEC ASTM B633 TYPE I SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: CLOUGH | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | USED ON MODEL |
| QA APPR: LINDSAY | H145 |
| APPROVED: GILBERT | |
| SCALE 1:1 | DATE 8/17/2016 |
| SHEET 5 OF 12 | |

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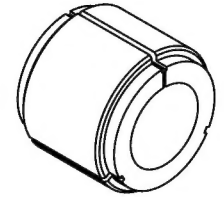
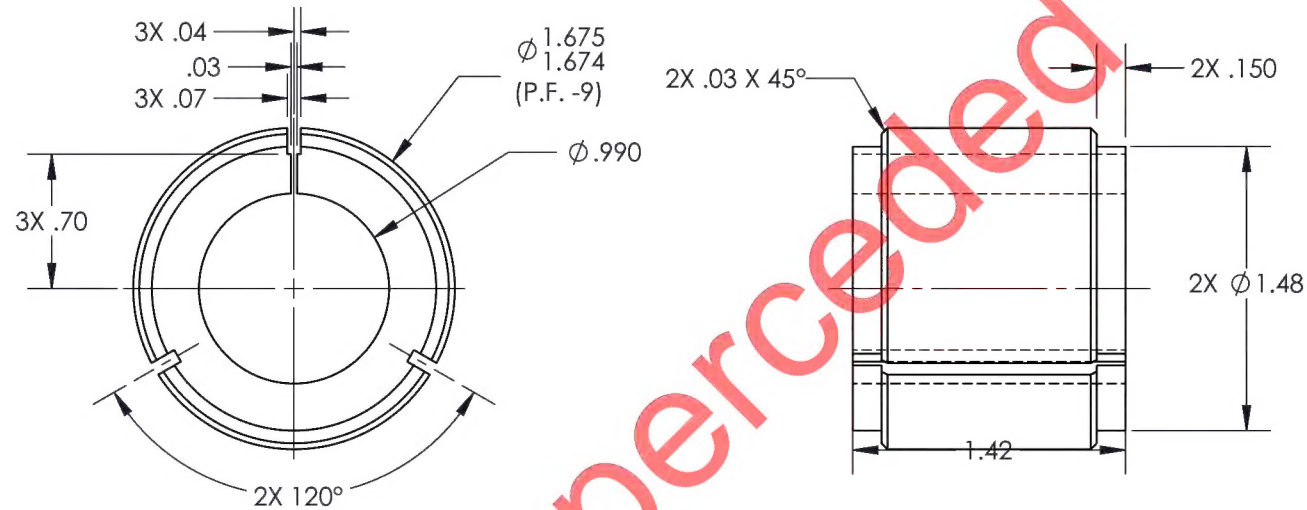
(-11)

TUBE 4

| | |
|--|---|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-11 | REV 1 |
| MAT'L 01 RC 50-56 ZINC PLATE | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/ |
| SPEC ASTM B633 TYPE I SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: CLOUGH | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | USED ON MODEL |
| QA APPR: LINDSAY | H145 |
| APPROVED: GILBERT | |
| SCALE 3:4 | DATE 8/17/2016 SHEET 6 OF 12 |

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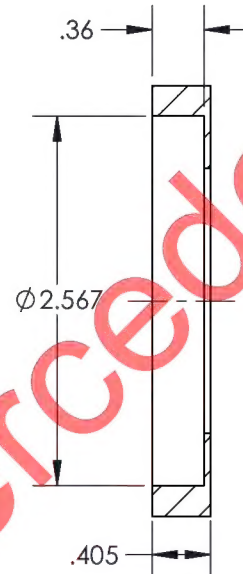
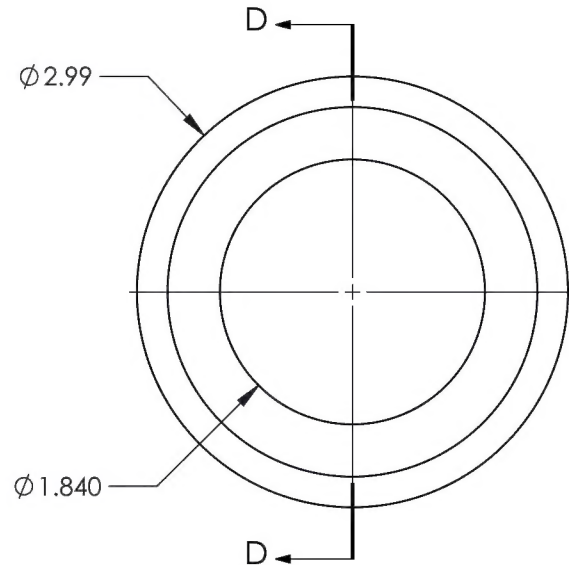
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(-13)
THRUST PIECE

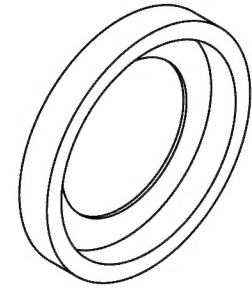
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| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-13 | REV 1 |
| MAT'L WHITE DELRIN/ACETAL | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES |
| HEAT TREAT FINISH | .XXX \pm .005 FRACTIONS \pm 1/8 |
| SPEC | .XX \pm .01 ANGLES \pm 5° |
| | .X \pm .1 SURFACES = 125° ✓ |
| DRAWN BY: MACKOVJAK | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| CHECKED: CLOUGH | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| OPPS APPR: ANDERSON | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | H145 |
| SCALE 1:1 | DATE 8/17/2016 |
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| | | | | APPROVED |



SECTION D-D



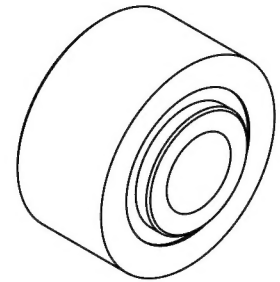
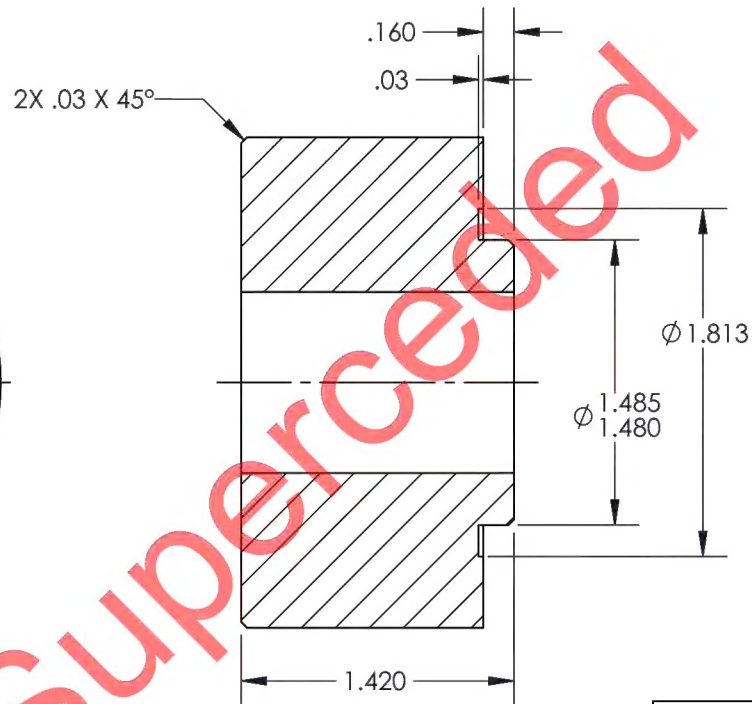
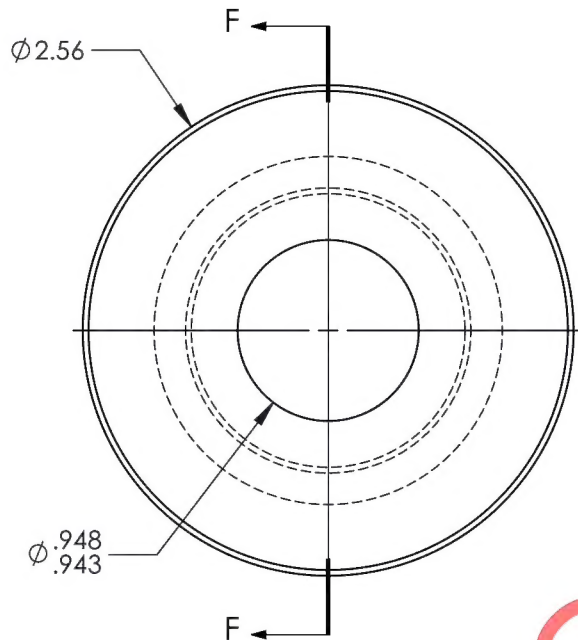
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URF 19-687 19.04.11 (MB)

(-15)
SPACER RING

| | |
|--|--|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-15 | REV 1 |
| MAT'L O1 RC 50-56 ZINC PLATE | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125 |
| SPEC ASTM B633 TYPE I SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: CLOUGH | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | USED ON MODEL |
| APPROVED: GILBERT | H145 |
| SCALE 3:4 | DATE 8/17/2016 |
| SHEET 8 OF 12 | |

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SECTION F-F

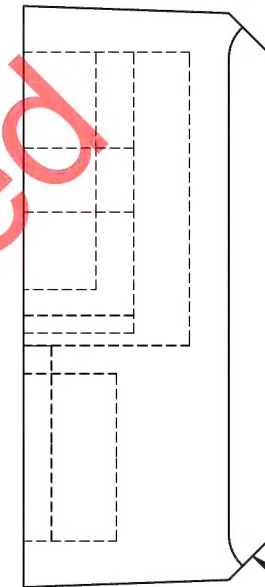
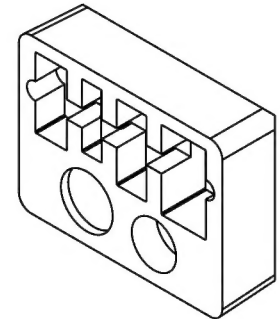
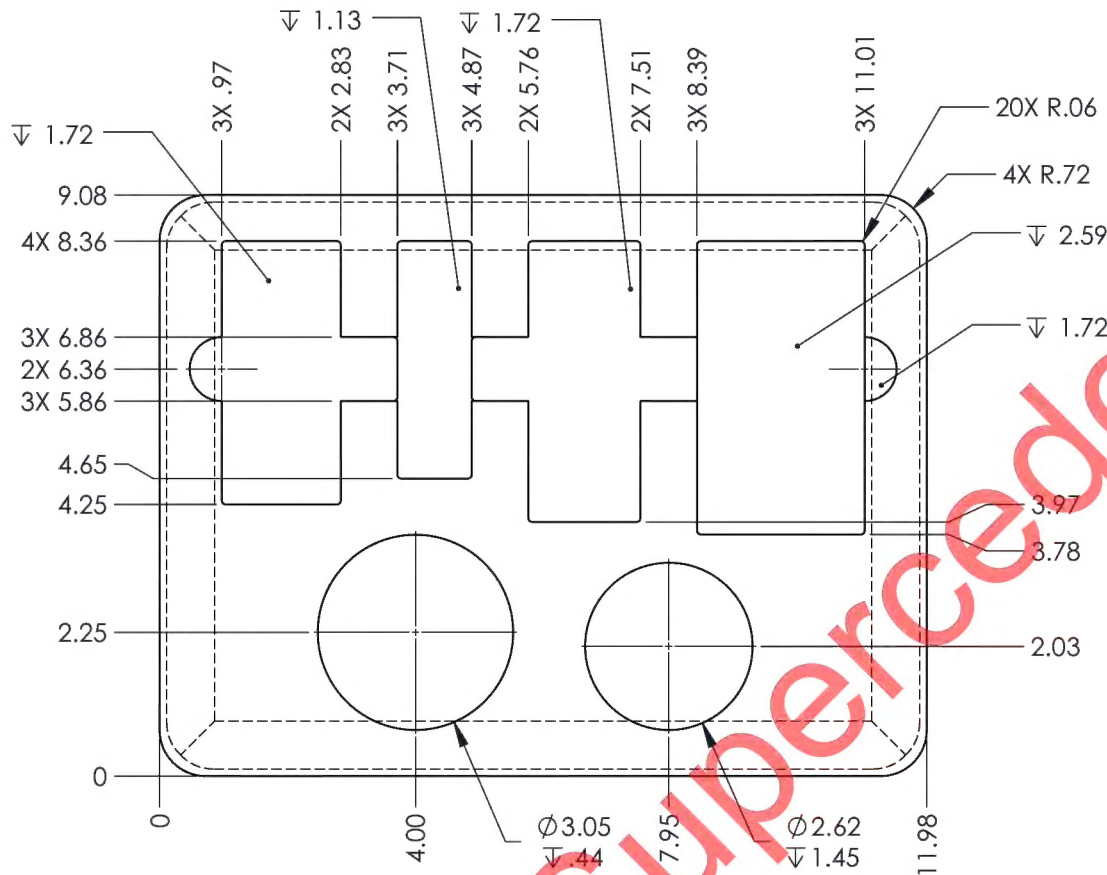
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RING

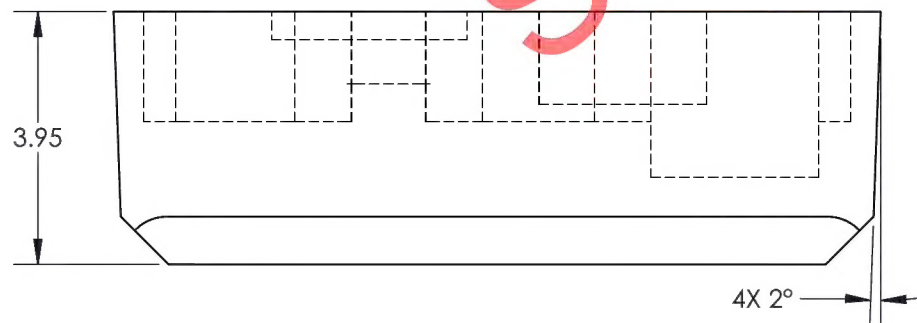
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|--|---|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-17 | REV 1 |
| MAT'L O1 RC 50-56 ZINC PLATE | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° |
| SPEC ASTM B633 TYPE I SC 2 | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R |
| DRAWN BY: MACKOVJAK | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING |
| CHECKED: CLOUGH | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| OPPS APPR: ANDERSON | USED ON MODEL |
| QA APPR: LINDSAY | H145 |
| APPROVED: GILBERT | |
| SCALE 1:1 | DATE 8/17/2016 SHEET 9 OF 12 |

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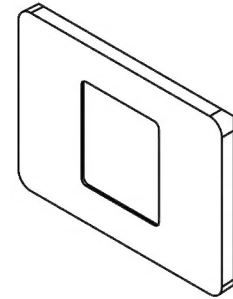
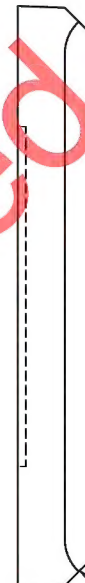
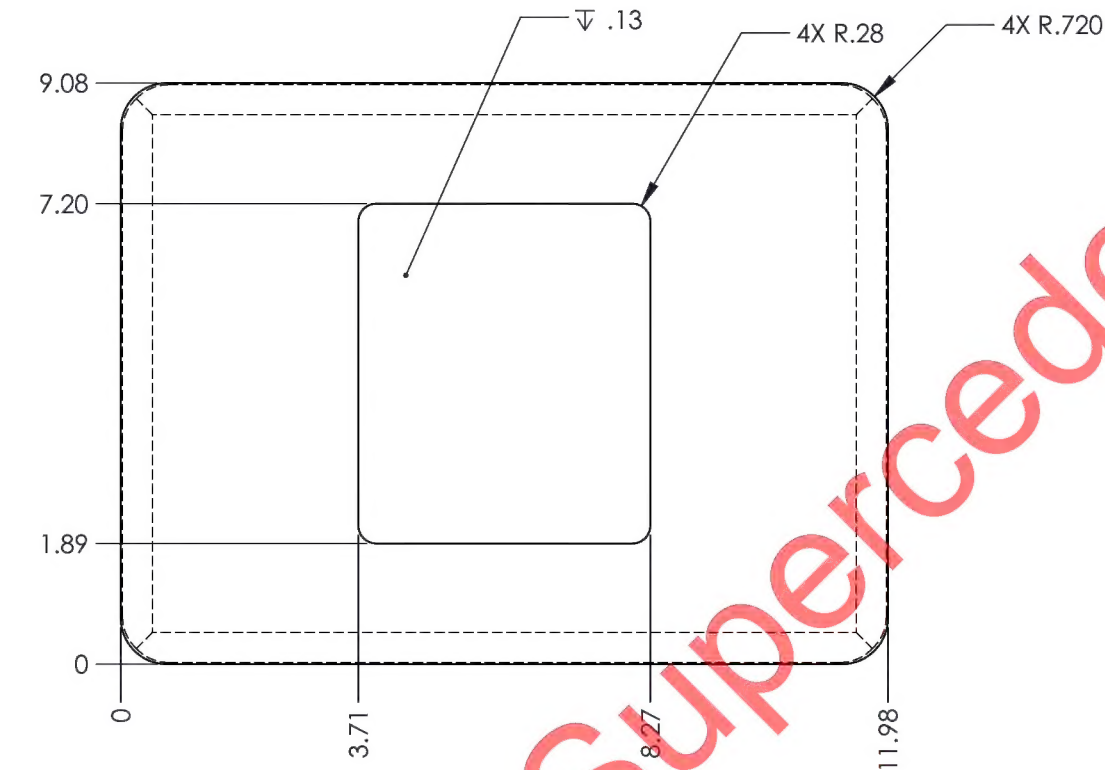
FOAM, BOTTOM

(-19)

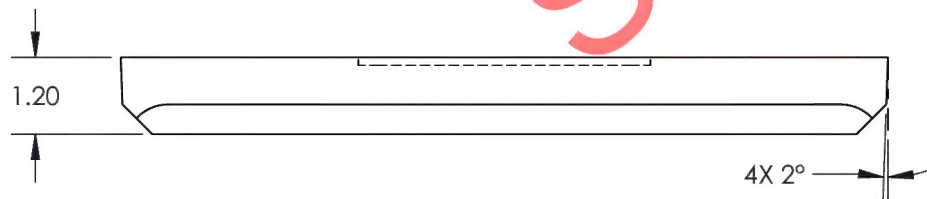
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|--|--------------------------|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-19 | REV 1 |
| MAT'L ETHAFOAM 220, BLACK | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| .XXX ± .010 FRACTIONS ± 1/8 | |
| .XX ± .03 ANGLES ± 1° | |
| .X ± .1 SURFACES = 125° | |
| SPEC | |
| 1. BREAK ALL SHARP EDGES | |
| .015 x 45° OR .015R | |
| 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DRAWN BY: MACKOVJAK | USED ON MODEL |
| CHECKED: CLOUGH | H145 |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | |
| APPROVED: GILBERT | |
| SCALE 1:3 | DATE 8/17/2016 |
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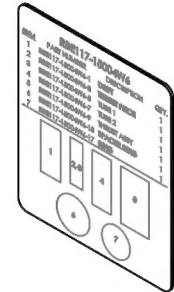
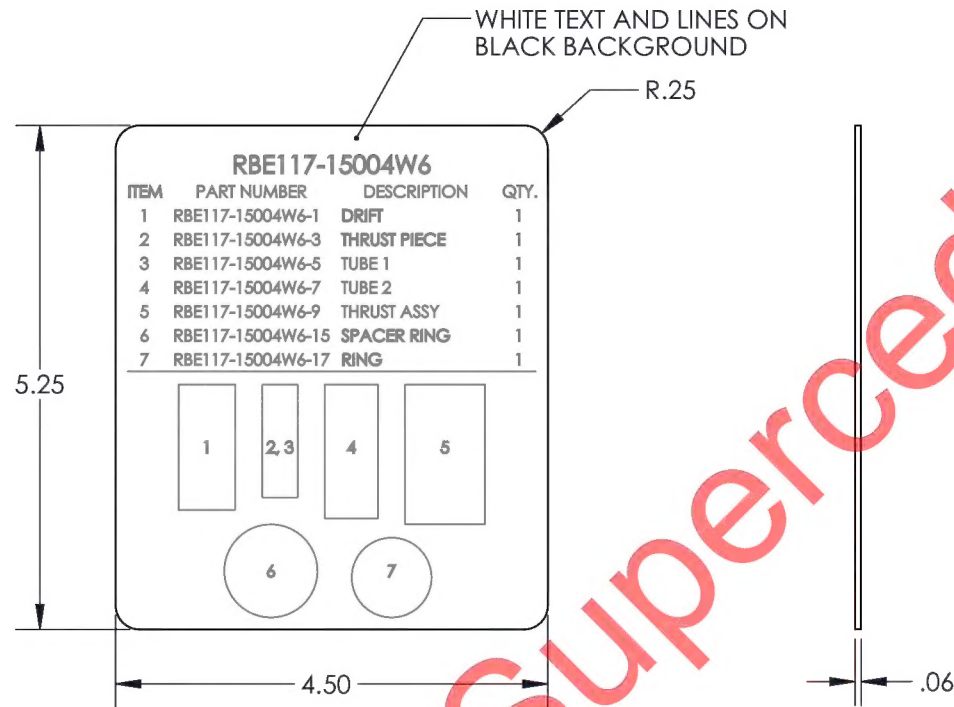


(-21)
FOAM, TOP

| | |
|--|-------------------|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-21 | REV 1 |
| MAT'L ETHAFOAM 220, BLACK | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| .XXX ± .010 FRACTIONS ± 1/8 | |
| .XX ± .03 ANGLES ± 1° | |
| .X ± .1 SURFACES = 125/✓ | |
| SPEC | |
| 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DRAWN BY: MACKOVJAK | |
| CHECKED: CLOUGH | |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | |
| APPROVED: GILBERT | |
| USED ON MODEL H145 | |
| SCALE 1:3 | DATE 8/17/2016 |
| SHEET 11 OF 12 | |

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NOTE:
USE PDF.

(-23)
PLACARD

| | |
|---|------------------------------|
| DART AEROSPACE | |
| TITLE PUSH OUT/PRESS IN TOOL | |
| DWG NO. RBE117-15004W6-23 | REV 1 |
| MAT'L PLASTIC HEAT TREAT FINISH SPEC | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓ | |
| 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| DRAWN BY: MACKOVJAK | USED ON MODEL H145 |
| CHECKED: CLOUGH | |
| OPPS APPR: ANDERSON | |
| QA APPR: LINDSAY | |
| APPROVED: GILBERT | |
| SCALE 1:2 | DATE 8/17/2016 |
| SHEET 12 OF 12 | |